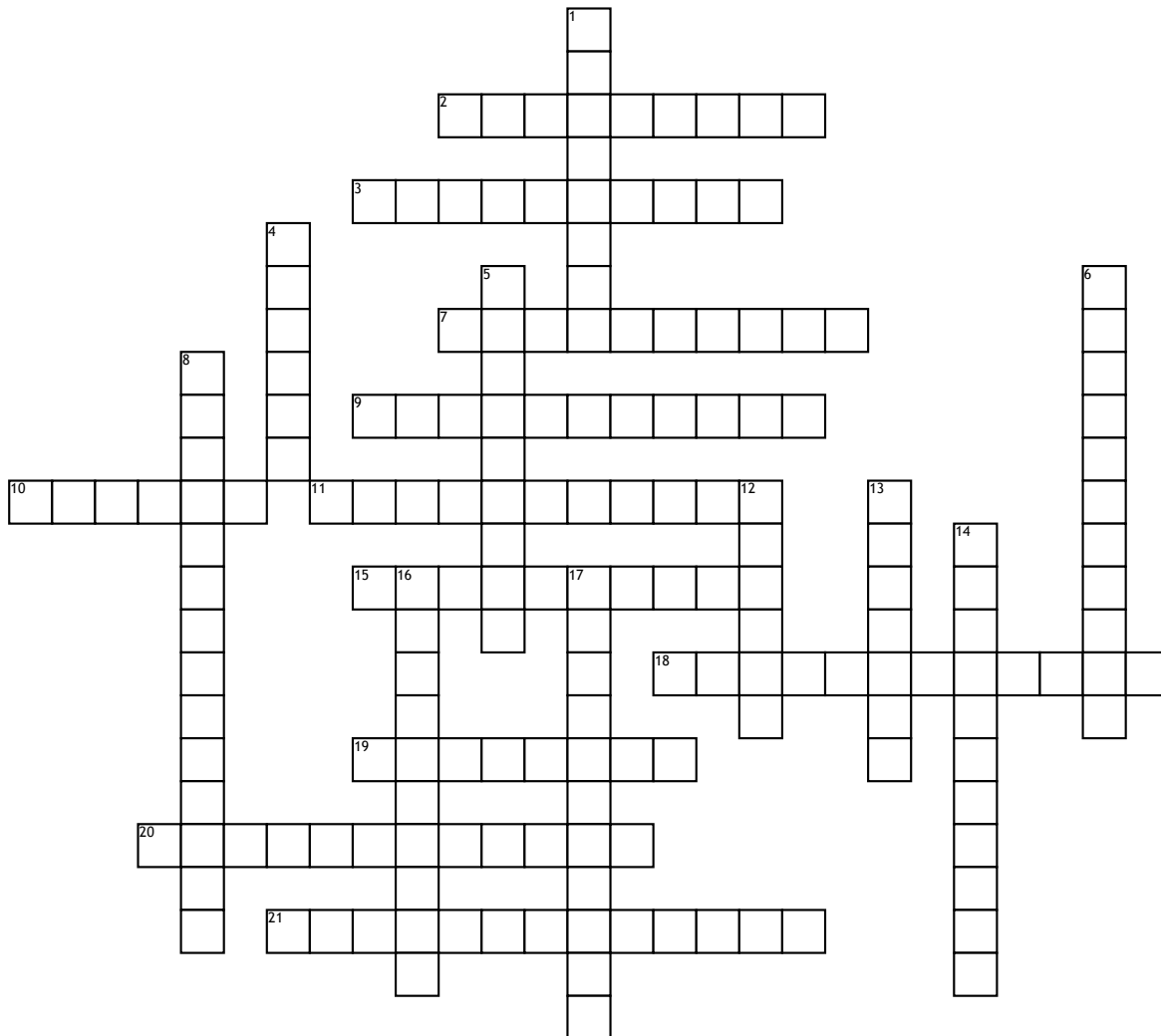


Respiratory Therapy



Across

2. having a tonicity less than normal saline (<0.9% NaCl)
 3. a humidifier that heat matter to the point of expansion as a gas
 7. an instrument that directly measures relative humidity of the atmosphere or the proportion of water in a specific gas or gas mixture, without extracting the moisture
 9. an important factor affecting humidifier performance
 10. a simple valveless extension device that adds distance between the pMDI outlet and the patient's mouth
 11. pertaining to the property of repelling water molecules
 15. a device that adds invisible molecular water to gas

18. referring to an aerosol in which particles are of uniform size
 19. a process of removing large particles from suspension
 20. narrowing of the bronchi
 21. when aerosol particles settle out of suspension and are deposited owing to gravity

Down

1. device that produces an aerosol suspension of liquid particles without using baffles
 4. oral yeast infection
 5. changes in the voice; one of the problems with the use of steroid pMDI
 6. an airway appliance used for short-term therapy to patient with intact upper airway (two words)

8. aerosols consisting of particles of varying diameters and sizes
 12. division of the trachea into the right and left main stem of the bronchi
 13. shaking the device and releasing one or more sprays into the air when an inhaler is new or has not been used for a while
 14. a change in state of a substance from liquid to gaseous from occurring below its boiling point
 16. a nebulizer that uses a piezoelectric crystal to generate an aerosol
 17. (of a fluid) thickened or hardened pulmonary secretions owing to dehydration